

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032122\
 Data File : BF127437.D
 Acq On : 22 Mar 2022 06:08
 Operator : CG\JU
 Sample : N1962-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-11-10-12

Quant Time: Mar 22 06:51:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 02:16:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

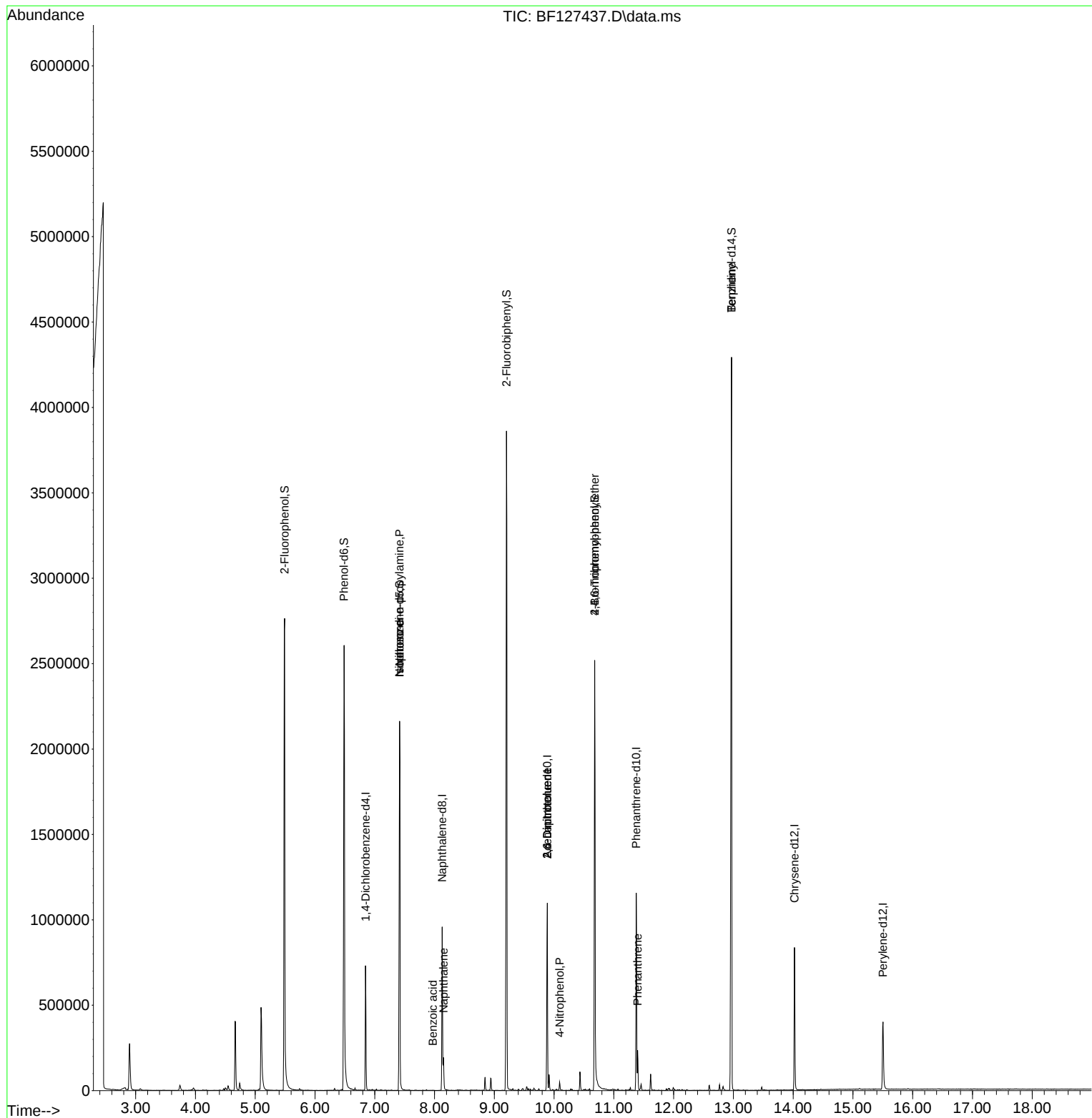
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	99768	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	365158	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	214184	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	398622	20.000	ng	0.00
76) Chrysene-d12	14.021	240	288224	20.000	ng	0.00
86) Perylene-d12	15.504	264	202163	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	787069	125.926	ng	0.02
7) Phenol-d6	6.486	99	996855	116.678	ng	0.00
23) Nitrobenzene-d5	7.416	82	789048	92.367	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	333286	146.075	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1324422	90.294	ng	0.00
79) Terphenyl-d14	12.968	244	1651983	93.827	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.486	77	2266	Below Cal	#	12
19) n-Nitroso-di-n-propyla...	7.416	70	107981	21.085 ng	#	80
25) Isophorone	7.416	82	789036	57.992 ng	#	70
31) Naphthalene	8.151	128	75997	3.920 ng	#	99
32) Benzoic acid	7.975	122	395	6.159 ng	#	1
51) 2,6-Dinitrotoluene	9.886	165	27157	8.683 ng	#	17
55) Dibenzofuran	10.092	168	18032	Below Cal		98
56) 4-Nitrophenol	10.092	139	6417	3.675 ng	#	1
57) 2,4-Dinitrotoluene	9.886	165	27157	6.745 ng	#	14
58) Fluorene	10.433	166	28028	Below Cal		98
67) 4-Bromophenyl-phenylether	10.680	248	21838	4.692 ng	#	1
71) Phenanthrene	11.398	178	79643	3.832 ng		99
77) Benzidine	12.968	184	20313	2.956 ng	#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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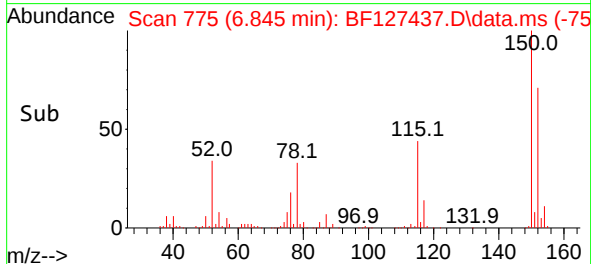
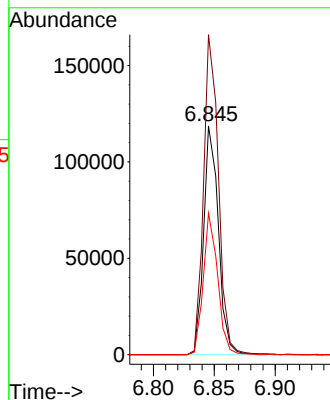
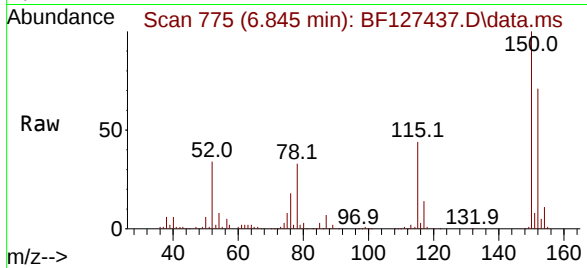




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

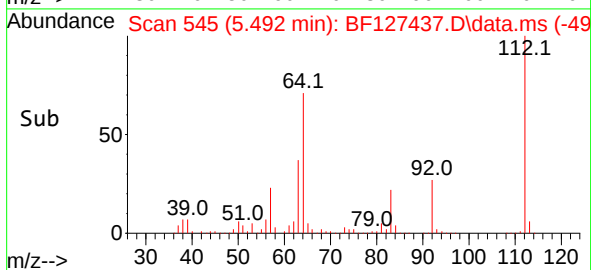
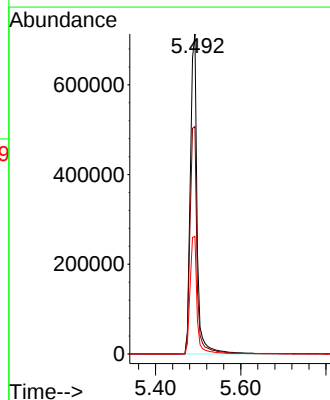
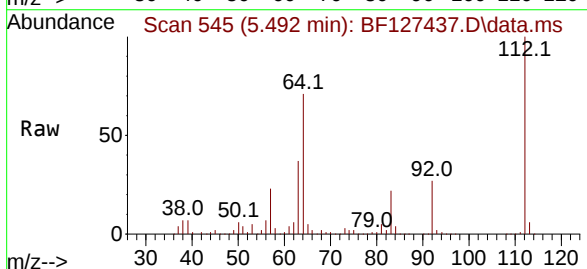
Instrument :
BNA_F
ClientSampleId :
C-11-10-12

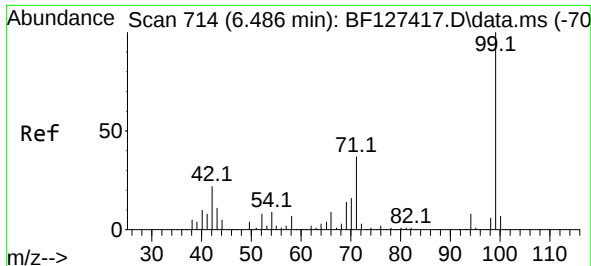
Tgt Ion:152 Resp: 99768
Ion Ratio Lower Upper
152 100
150 139.9 117.2 175.8
115 61.8 49.8 74.6



#5
2-Fluorophenol
Concen: 125.926 ng
RT: 5.492 min Scan# 545
Delta R.T. 0.024 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Tgt Ion:112 Resp: 787069
Ion Ratio Lower Upper
112 100
64 71.1 58.4 87.6
63 36.8 30.1 45.1

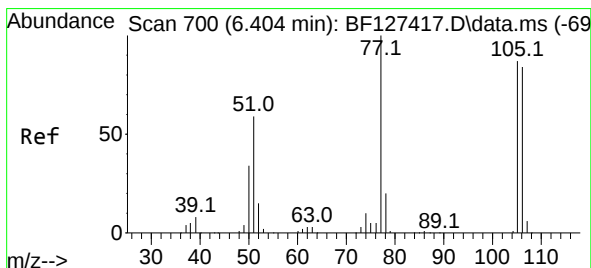
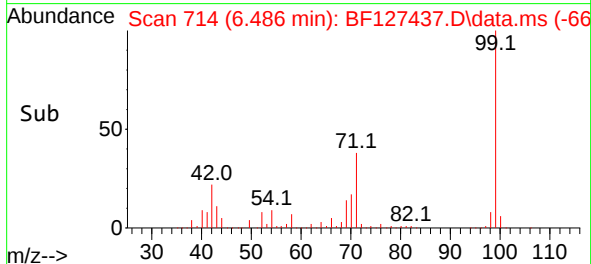
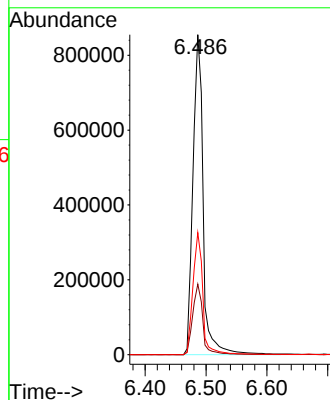
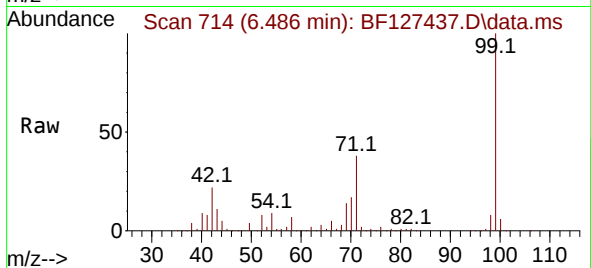




#7
Phenol-d6
Concen: 116.678 ng
RT: 6.486 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

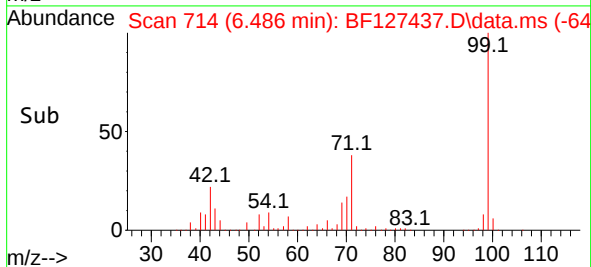
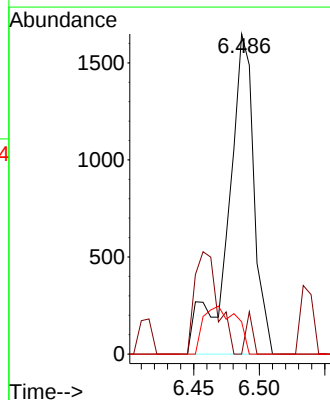
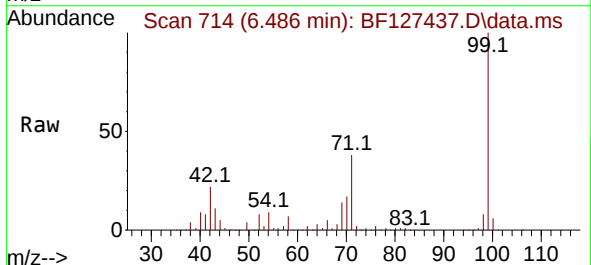
Instrument :
BNA_F
ClientSampleId :
C-11-10-12

Tgt Ion: 99 Resp: 996855
Ion Ratio Lower Upper
99 100
42 22.1 17.8 26.6
71 38.2 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.486 min Scan# 714
Delta R.T. 0.082 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

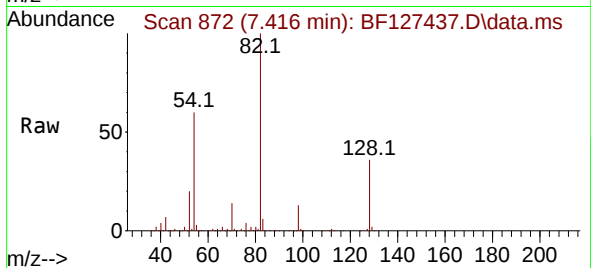
Tgt Ion: 77 Resp: 2266
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 10.1 64.3 104.3#



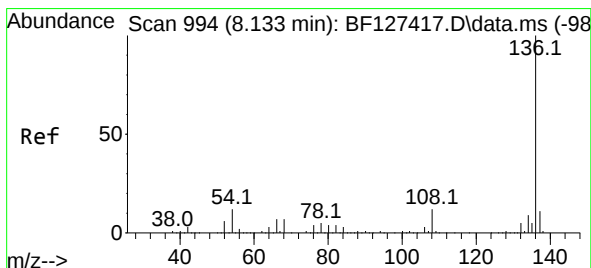
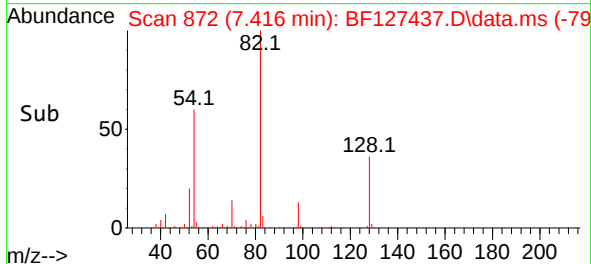
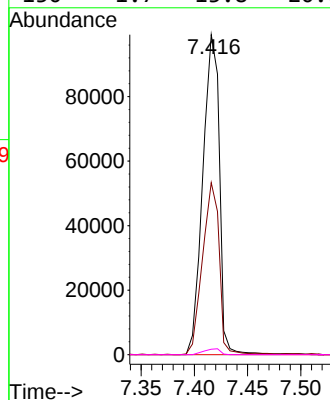


#19
n-Nitroso-di-n-propylamine
Concen: 21.085 ng
RT: 7.416 min Scan# 81
Delta R.T. 0.153 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Instrument :
BNA_F
ClientSampleId :
C-11-10-12

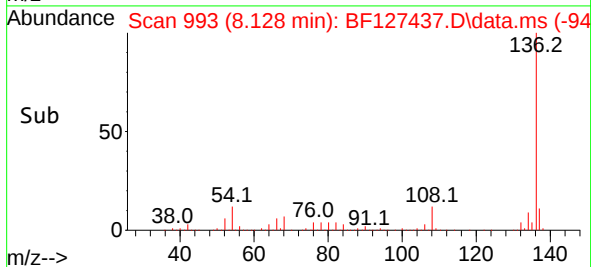
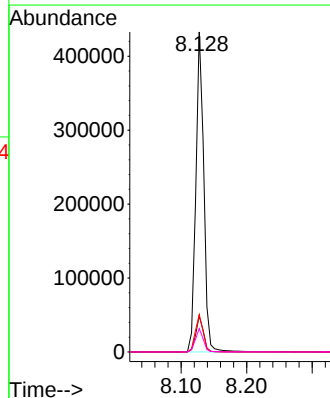
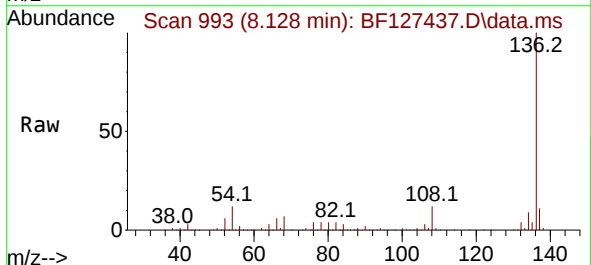


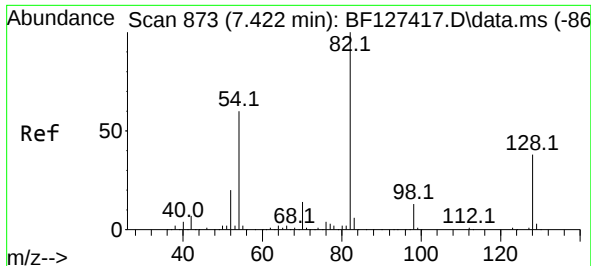
Tgt Ion: 70 Resp: 107981
Ion Ratio Lower Upper
70 100
42 53.8 53.0 79.6
101 0.0 6.8 10.2#
130 1.7 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Tgt Ion: 136 Resp: 365158
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 11.7 9.2 13.8
68 7.3 5.4 8.0

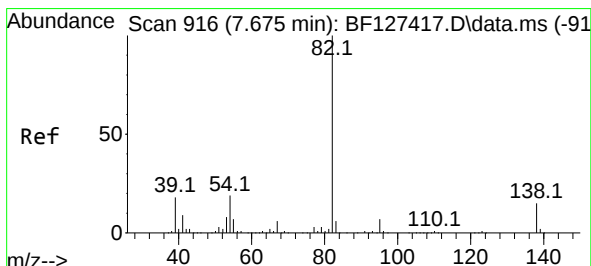
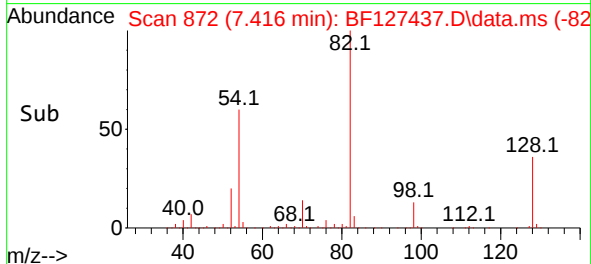
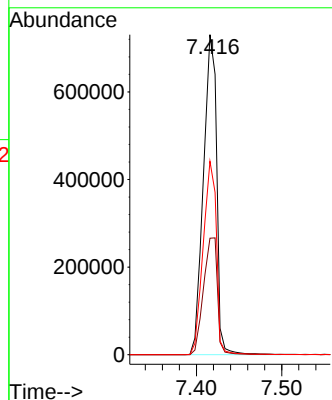
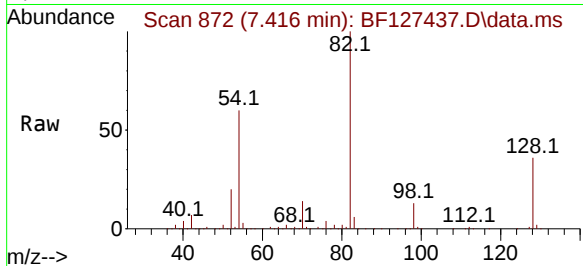




#23
Nitrobenzene-d5
Concen: 92.367 ng
RT: 7.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

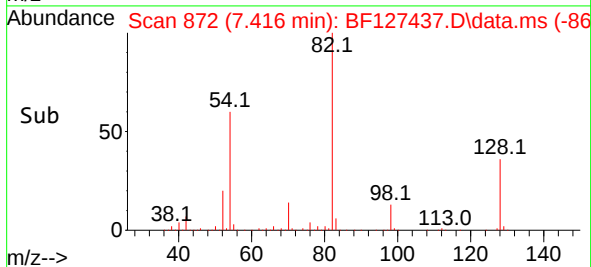
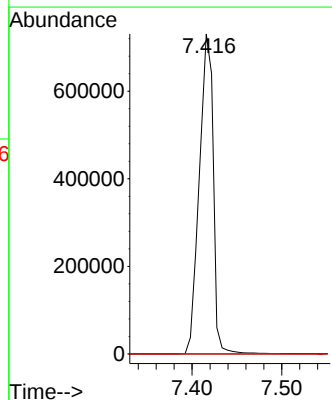
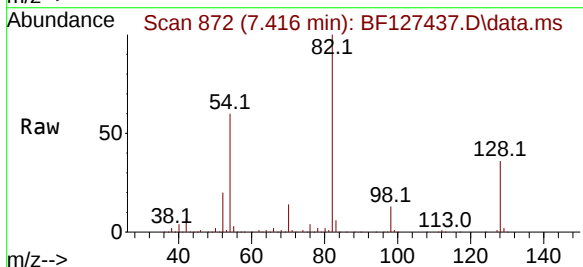
Instrument :
BNA_F
ClientSampleId :
C-11-10-12

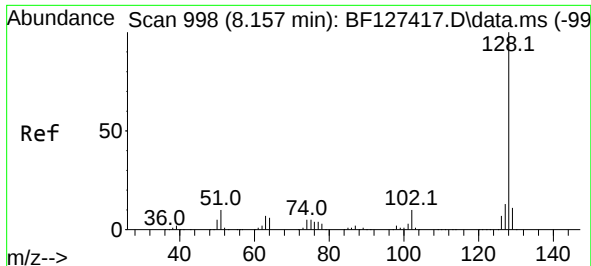
Tgt Ion: 82 Resp: 789048
Ion Ratio Lower Upper
82 100
128 36.4 30.6 45.8
54 60.5 48.2 72.2



#25
Isophorone
Concen: 57.992 ng
RT: 7.416 min Scan# 872
Delta R.T. -0.259 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Tgt Ion: 82 Resp: 789036
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#





#31

Naphthalene

Concen: 3.920 ng

RT: 8.151 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF127437.D

Acq: 22 Mar 2022 06:08

Instrument :

BNA_F

ClientSampleId :

C-11-10-12

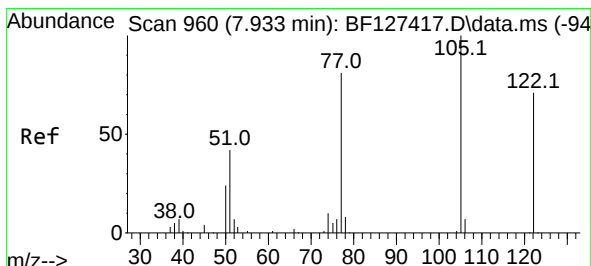
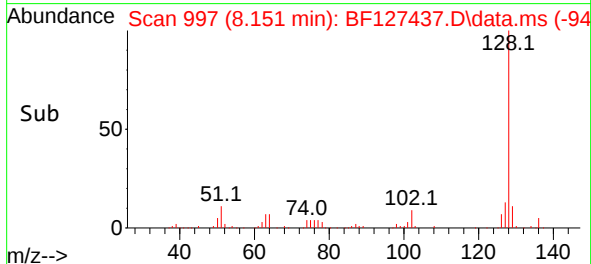
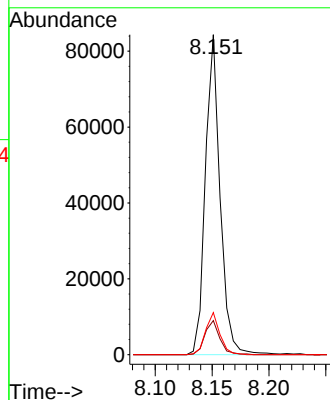
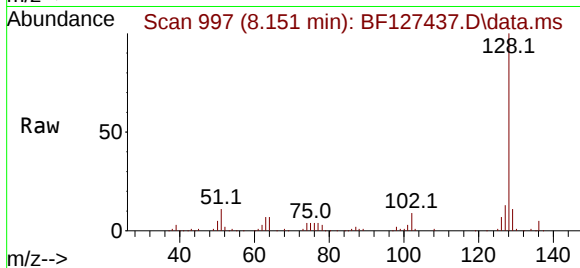
Tgt Ion:128 Resp: 75997

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 13.1 10.2 15.2



#32

Benzoic acid

Concen: 6.159 ng

RT: 7.975 min Scan# 967

Delta R.T. 0.042 min

Lab File: BF127437.D

Acq: 22 Mar 2022 06:08

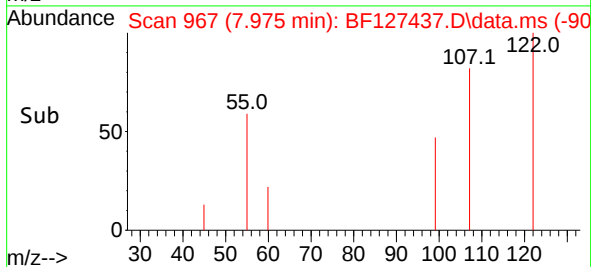
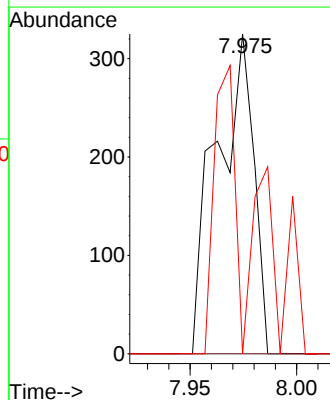
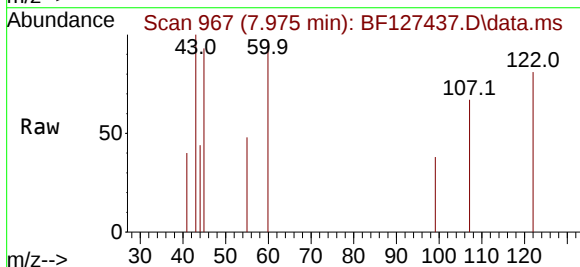
Tgt Ion:122 Resp: 395

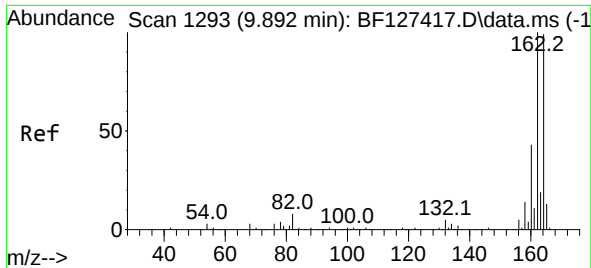
Ion Ratio Lower Upper

122 100

105 0.0 117.1 157.1#

77 0.0 93.0 133.0#

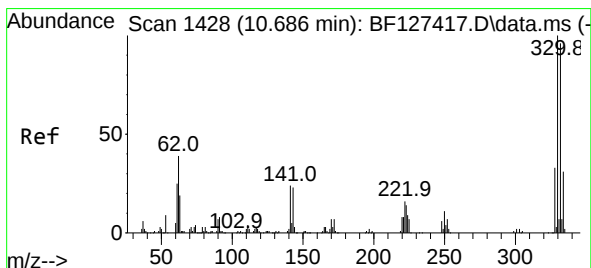
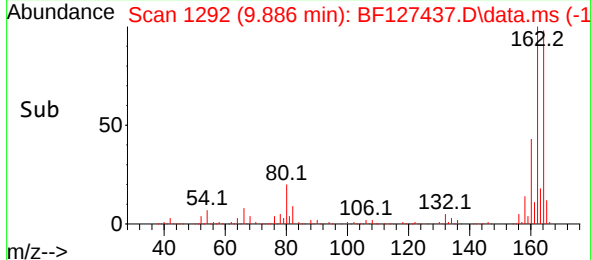
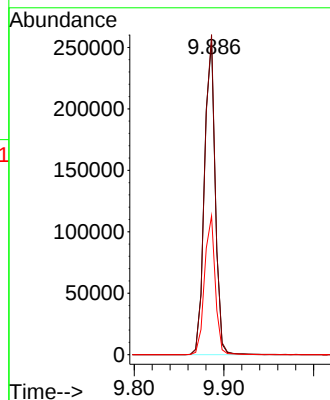
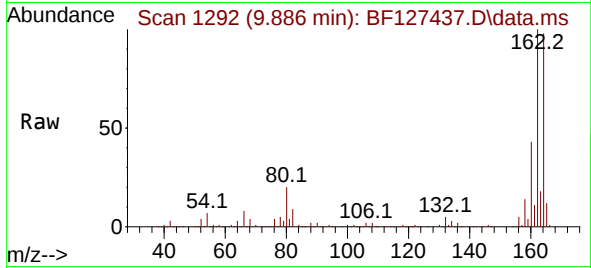




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

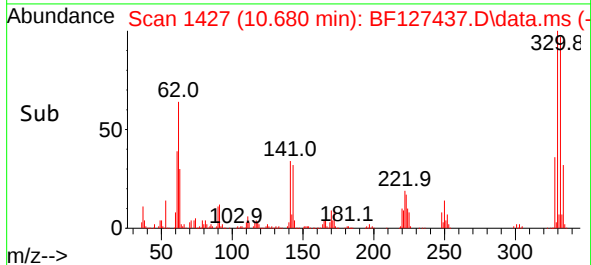
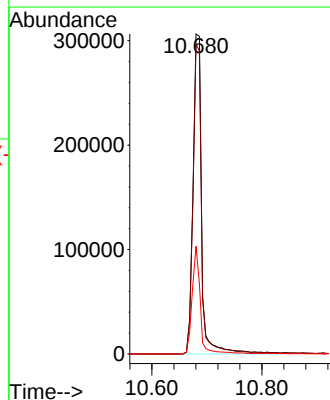
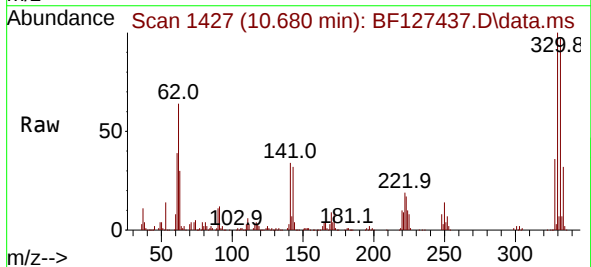
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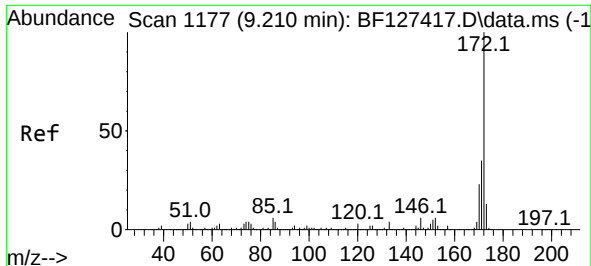
Tgt Ion:164 Resp: 214184
Ion Ratio Lower Upper
164 100
162 102.1 81.2 121.8
160 44.3 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 146.075 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Tgt Ion:330 Resp: 333286
Ion Ratio Lower Upper
330 100
332 96.4 79.1 118.7
141 31.7 26.2 39.4

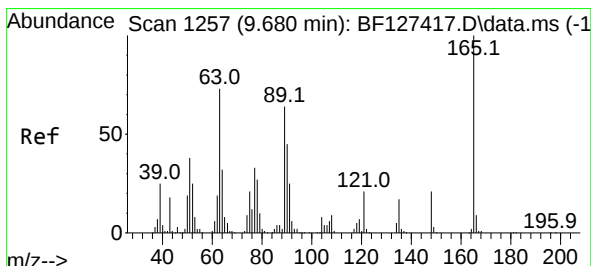
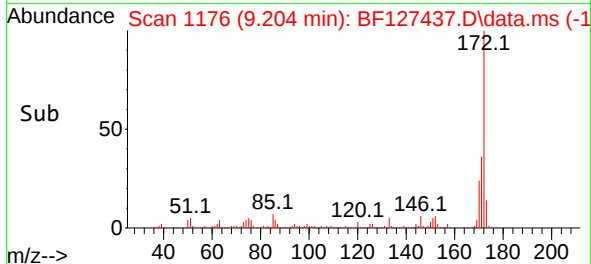
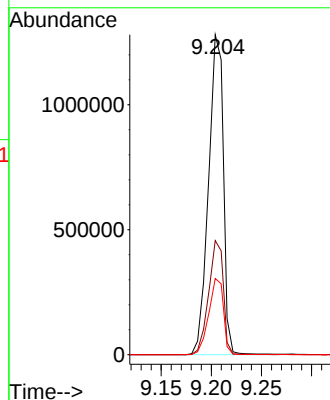
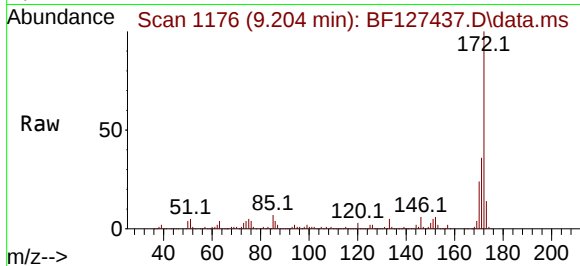




#45
2-Fluorobiphenyl
Concen: 90.294 ng
RT: 9.204 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

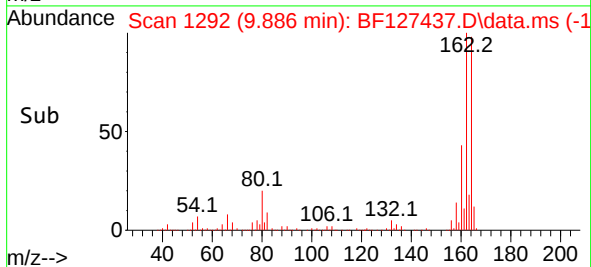
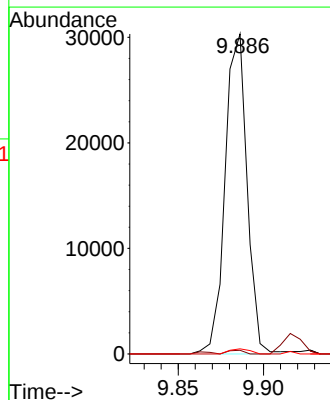
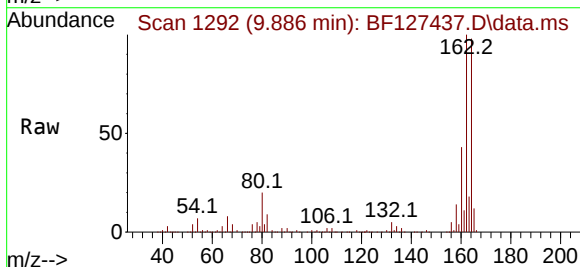
Instrument :
BNA_F
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C-11-10-12

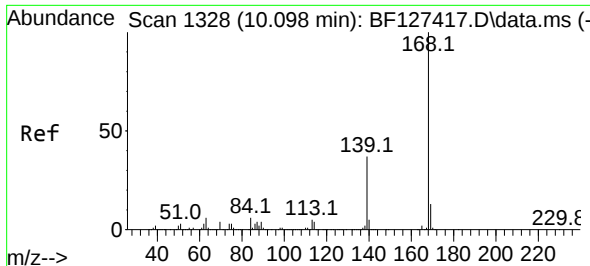
Tgt Ion:172 Resp: 1324422
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.683 ng
RT: 9.886 min Scan# 1292
Delta R.T. 0.206 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Tgt Ion:165 Resp: 27157
Ion Ratio Lower Upper
165 100
63 1.2 58.3 87.5#
89 1.6 51.5 77.3#

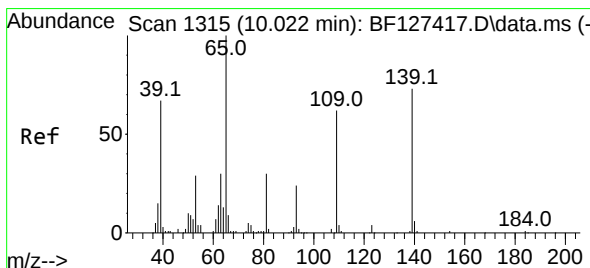
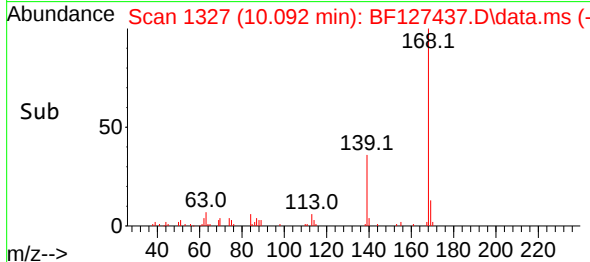
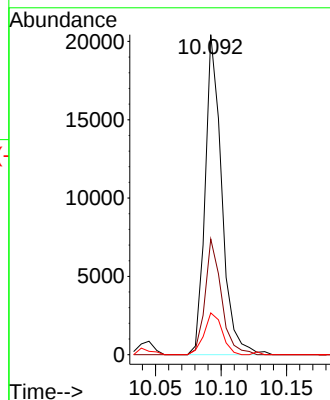
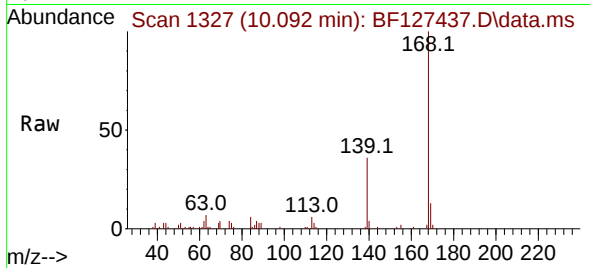




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

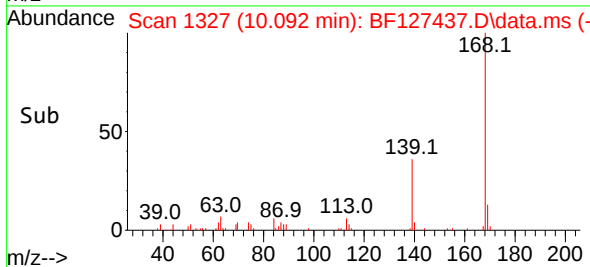
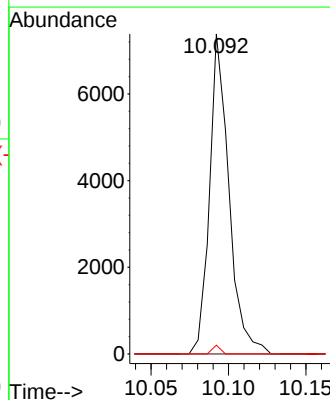
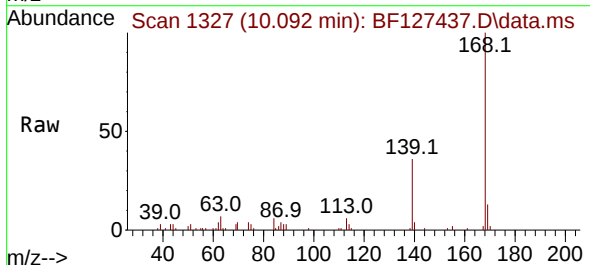
Instrument :
BNA_F
ClientSampleId :
C-11-10-12

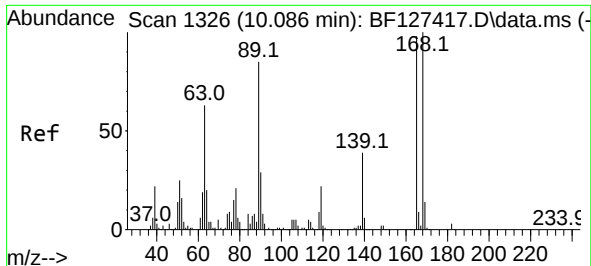
Tgt Ion:168 Resp: 18032
Ion Ratio Lower Upper
168 100
139 36.1 30.3 45.5
169 13.1 10.8 16.2



#56
4-Nitrophenol
Concen: 3.675 ng
RT: 10.092 min Scan# 1327
Delta R.T. 0.070 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Tgt Ion:139 Resp: 6417
Ion Ratio Lower Upper
139 100
109 0.0 64.3 104.3#
65 2.7 117.5 157.5#

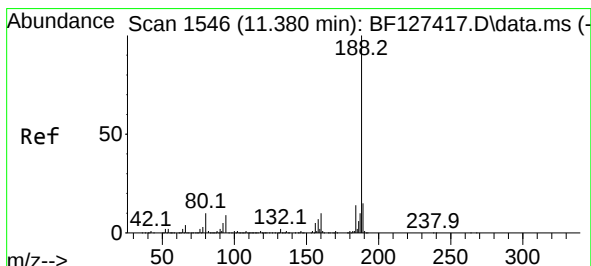
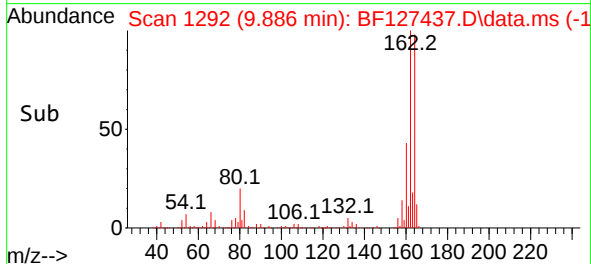
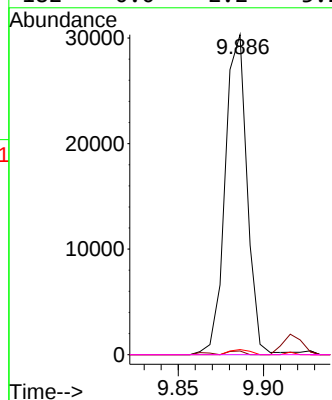
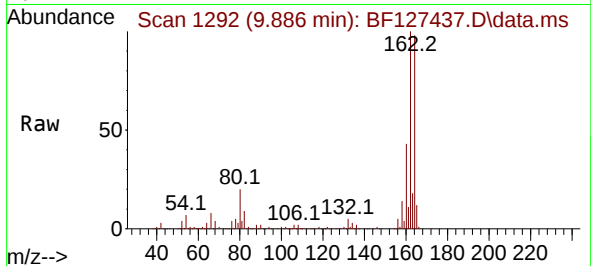




#57
2,4-Dinitrotoluene
Concen: 6.745 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

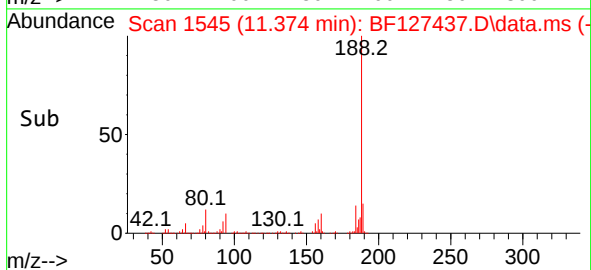
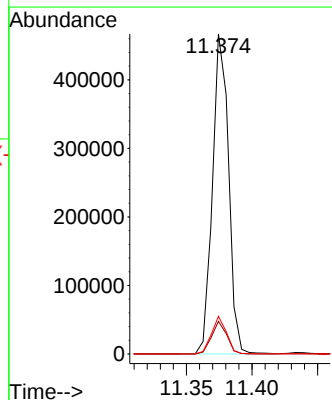
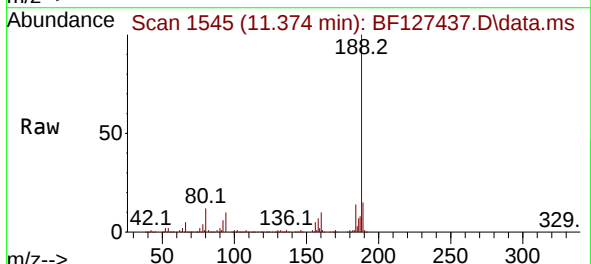
Instrument :
BNA_F
ClientSampleId :
C-11-10-12

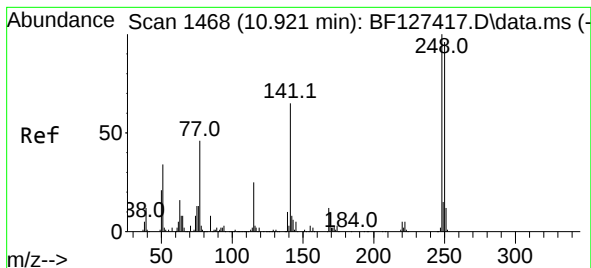
Tgt Ion:165 Resp: 27157
Ion Ratio Lower Upper
165 100
63 1.2 53.1 79.7#
89 1.6 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Tgt Ion:188 Resp: 398622
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 11.7 8.0 12.0

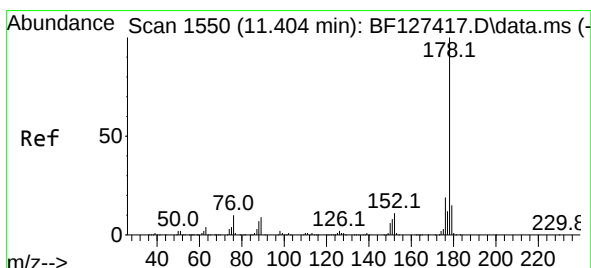
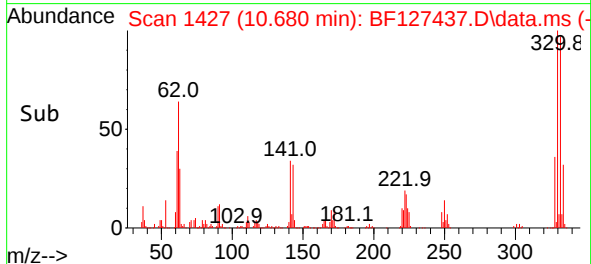
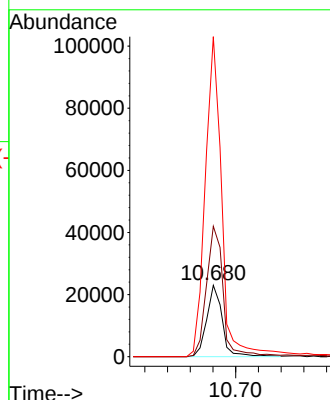
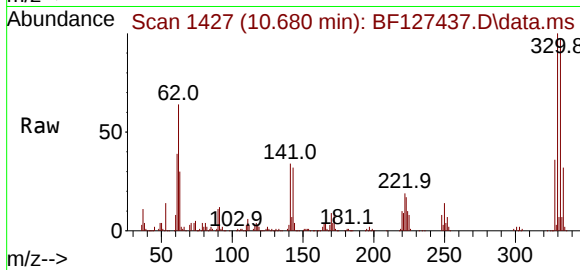




#67
4-Bromophenyl-phenylether
Concen: 4.692 ng
RT: 10.680 min Scan# 1468
Delta R.T. -0.241 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

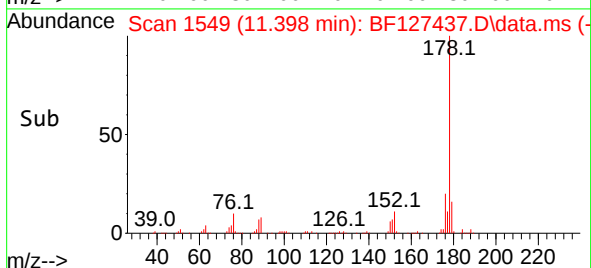
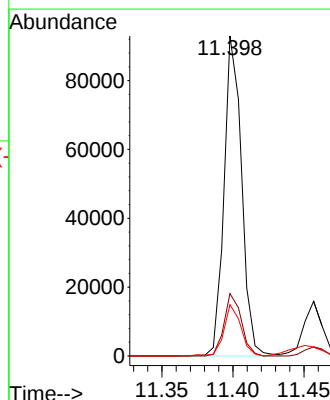
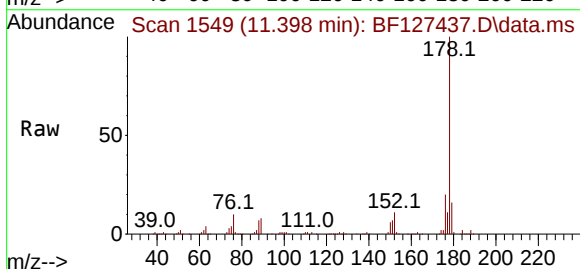
Instrument :
BNA_F
ClientSampleId :
C-11-10-12

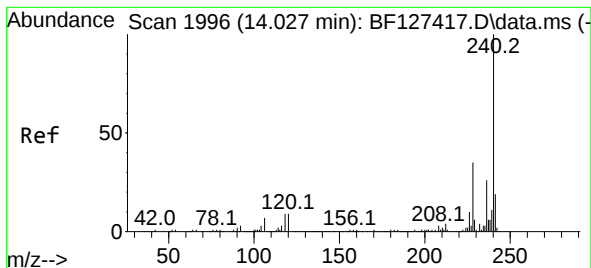
Tgt Ion:248 Resp: 21838
Ion Ratio Lower Upper
248 100
250 182.6 76.6 115.0#
141 448.0 52.2 78.2#



#71
Phenanthrene
Concen: 3.832 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127437.D
Acq: 22 Mar 2022 06:08

Tgt Ion:178 Resp: 79643
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 16.0 12.4 18.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF127437.D

Acq: 22 Mar 2022 06:08

Instrument :

BNA_F

ClientSampleId :

C-11-10-12

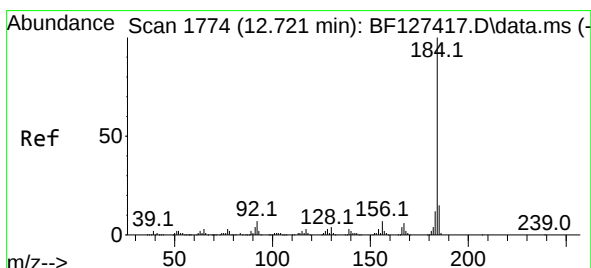
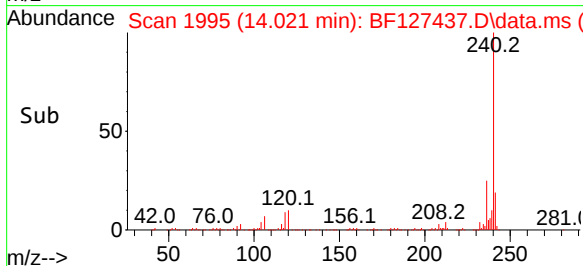
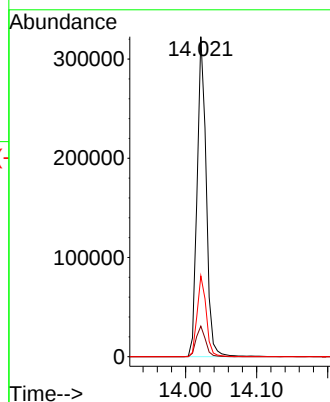
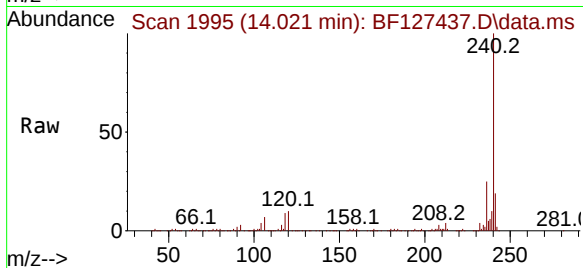
Tgt Ion:240 Resp: 288224

Ion Ratio Lower Upper

240 100

120 9.6 7.1 10.7

236 25.2 20.7 31.1



#77

Benzidine

Concen: 2.956 ng

RT: 12.968 min Scan# 1816

Delta R.T. 0.247 min

Lab File: BF127437.D

Acq: 22 Mar 2022 06:08

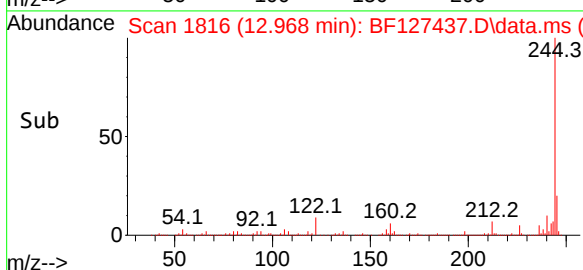
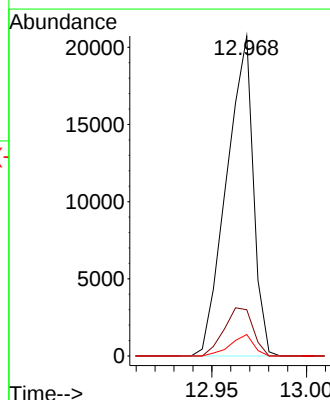
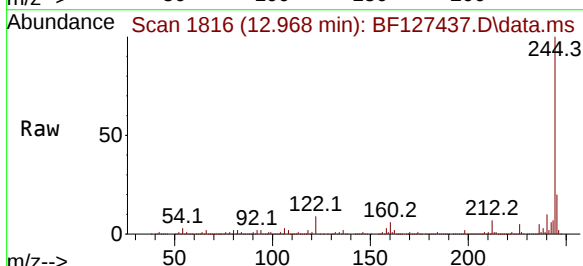
Tgt Ion:184 Resp: 20313

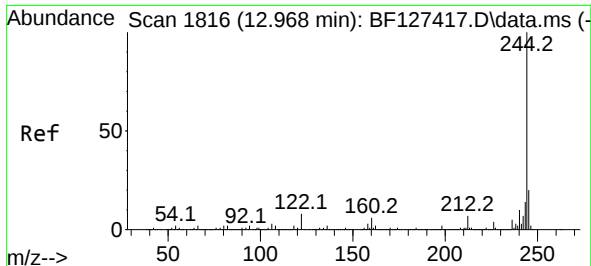
Ion Ratio Lower Upper

184 100

185 14.4 12.2 18.2

183 6.7 9.4 14.0#

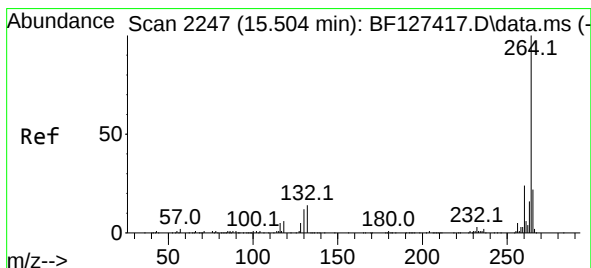
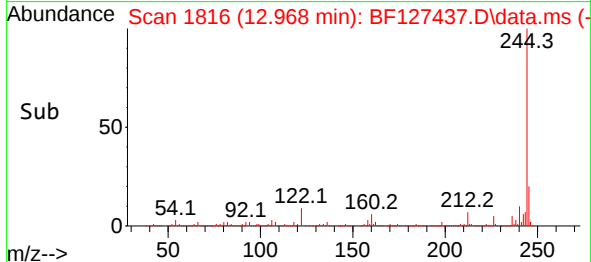
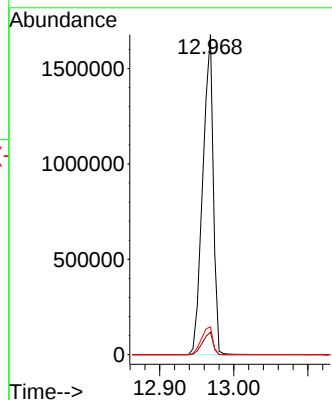
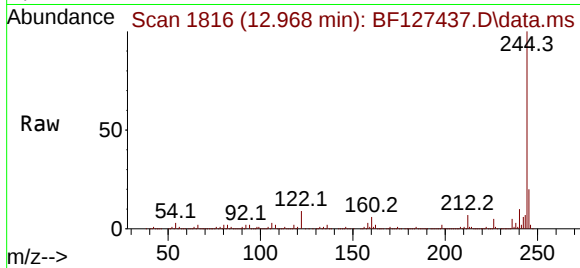




#79
 Terphenyl-d14
 Concen: 93.827 ng
 RT: 12.968 min Scan# 1816
 Delta R.T. 0.000 min
 Lab File: BF127437.D
 Acq: 22 Mar 2022 06:08

Instrument :
 BNA_F
 ClientSampleId :
 C-11-10-12

Tgt Ion:244 Resp: 1651983
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 8.7 6.2 9.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2247
 Delta R.T. 0.000 min
 Lab File: BF127437.D
 Acq: 22 Mar 2022 06:08

Tgt Ion:264 Resp: 202163
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.1 28.7
 265 21.5 17.4 26.2

